S3 Table Compared DOC flux of three rivers in China with the worldwide rivers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| River name (Country) | drainage area (106 km2) | Water discharge (109 m3 yr-1) | DOC flux (106 t yr-1) | Reference |
| Yenisey (Russia) | 2.58 | 630 | 4.9 | M. Dagg et al., 2004 |
| Mackenzie(Canada) | 1.81 | 310 | 1.3 | M. Dagg et al., 2004 |
| Mississippi (USA) | 3.27 | 530 | 3.5 | M. Dagg et al., 2004 |
| Amazon (Brazil) | 6.15 | 6300 | 19.1 | M. Dagg et al., 2004 |
| Zaire (Zaire) | 3.82 | 1250 | 10.2 | M. Dagg et al., 2004 |
| Orinoco (Venezuela) | 0.99 | 1200 | 4.5 | M. Dagg et al., 2004 |
| Danube | 0.81 | 210 | 0.56 | Cauwet., 2002 |
| Niger (Africa) | 1.21 | 190 | 0.5 | M. Dagg et al., 2004 |
| Pearl River (China) | 0.45 | 350 | 0.82 | This study |
| Yangtze River (China) | 1.8 | 960 | 1.85 | This study |
| Yellow River (China) | 0.75 | 15 | 0.06 | This study |

Reference

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